## **CLAIMS**

- 1. A method for producing a minus-strand RNA viral vector, which comprises using a promoter comprising a cytomegalovirus enhancer and a chicken β-actin promoter to induce, in a virus-producing cell, (i) the transcription of a minus-strand RNA virus genome RNA or the complementary strand thereof, and (ii) the expression of minus-strand RNA viral proteins that form a ribonucleoprotein with the genome RNA.
- 2. The method of claim 1, which comprises the step of transcribing in the virus-producing cell, a DNA that encodes a ribozyme and the minus-strand RNA virus genome RNA or the complementary strand thereof and that is operably linked with the promoter comprising the cytomegalovirus enhancer and chicken β-actin promoter, wherein the ribozyme has an activity of cleaving the transcript between the ribozyme and the genome RNA or the complementary strand thereof.

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3. The method of claim 1, which comprises the steps of:

expressing a bacteriophage RNA polymerase-encoding DNA under the control of the cytomegalovirus enhancer and chicken  $\beta$ -actin promoter-comprising promoter in the virus-producing cell; and

transcribing with the RNA polymerase, a DNA that encodes the minus-strand RNA virus genome RNA or the complementary strand thereof, and that is operably linked with a recognition sequence of the RNA polymerase in the virus-producing cell.

4. The method of claim 2, wherein the ribozyme is a hammerhead ribozyme.

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- 5. The method of claim 3, wherein the RNA polymerase-encoding DNA is expressed episomally in the virus-producing cell.
- 6. The method of claim 3, wherein the RNA polymerase-encoding DNA is expressed from a chromosome in the virus-producing cell.
  - 7. The method of claim 3, wherein the bacteriophage is selected from the group consisting of SP6 phage, T3 phage, and T7 phage.
- 35 8. The method of claim 1, wherein the minus-strand RNA virus is Sendai virus.

- 9. The method of claim 1, wherein the genome RNA or the complementary strand thereof lacks one or more genes encoding an envelope-constituting protein, and wherein the method further comprises the step of expressing a DNA encoding an envelope-constituting protein in the cell.
- 5 10. A DNA that encodes a ribozyme and a minus-strand RNA virus genome RNA or the complementary strand thereof and that is operably linked with a promoter comprising a cytomegalovirus enhancer and a chicken β-actin promoter, wherein the ribozyme has an activity of cleaving a transcript between the ribozyme and the minus-strand RNA virus genome RNA or the complementary strand thereof.
- 11. The DNA of claim 10, wherein the genome RNA or the complementary strand thereof lacks one or more genes encoding an envelope-constituting protein.
  - 12. The DNA of claim 10, wherein the minus-strand RNA virus is Sendai virus.
  - 13. The DNA of claim 10, wherein the ribozyme is a hammerhead ribozyme.
  - 14. The DNA of claim 10, wherein the DNA expression is inducible by a recombinase.
- 20 15. The DNA of claim 14, wherein the recombinase is Cre or Flp.

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- 16. A bacteriophage RNA polymerase-encoding DNA that is operably linked with a promoter comprising a cytomegalovirus enhancer and a chicken β-actin promoter.
- 25 17. The DNA of claim 16, wherein the bacteriophage is selected from the group consisting of SP6 phage, T3 phage, and T7 phage.
  - 18. The DNA of claim 16, wherein the expression of the DNA is inducible by a recombinase.
- 30 19. The DNA of claim 18, wherein the recombinase is Cre or Flp.
  - 20. A mammalian cell maintaining the DNA of claim 10.
  - 21. The mammalian cell of claim 20, which is a cell for minus-strand RNA virus production.
  - 22. The mammalian cell of claim 20, wherein the genome RNA or the complementary strand

thereof lacks one or more genes encoding an envelope-constituting protein.

- 23. The mammalian cell of claim 20, wherein the minus-strand RNA virus is Sendai virus.
- 5 24. A mammalian cell maintaining the DNA of claim 16.

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- 25. The mammalian cell of claim 24, which is a cell for minus-strand RNA virus production.
- 26. The mammalian cell of claim 24, which further maintains a DNA that encodes a
  minus-strand RNA virus genome RNA or the complementary strand thereof and that is operably linked with a recognition sequence of the RNA polymerase.
  - 27. The mammalian cell of claim 26, wherein the genome RNA or the complementary strand thereof lacks one or more genes encoding an envelope-constituting protein.
  - 28. The mammalian cell of claim 25, wherein the minus-strand RNA virus is Sendai virus.